DRAFT

Inasmuch as $\phi_{13} = 2r_{13}$, then

$$0.4r_{13} \leq d_{113} \leq r_{13} \quad (2)$$

Now Matter How can one the answer

The distance, a, is preferably approximately 30% d_{113}. Thus

How

$$d_o = D_{113} - 0.3\, d_{113} = 0.7\, d_{113} \quad (3)$$

Where does this come from

whereby equation (2) becomes

$$0.4r_{13} \leq \left(\frac{1}{07}\right) d_o \leq r_{13} \quad (4)$$

0.7

The above-defined relationship between the target body radius, r_1, and the radius of the workpiece to be coated, r_{13},

$$1.3r_{13} \leq r_1 \leq 1.4r_{13} \quad \text{or} \quad (5)$$

$$r_{13}/_{min} = \frac{r_1}{14} \quad \text{and} \quad r_{13}/_{max} = \frac{r_1}{13} \quad (6)$$

Using the left-hand side of equation (4) as the lower limit and the right-hand side of that equation side as the upper limit, equation (6) becomes